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RELIABILITY PREDICTION

Model : LPP-100 Data:2001-03-28

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	43	0.003700	10	1.591000	35.687
9.1	Resistor-Wirewound Power (RW)	2	0.008500	10	0.170000	3.813
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	8.972
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.314
10.1	Capacitor-Metal, Plastic (CH)	8	0.000510	10	0.040800	0.915
10.1	Capacitor-Ceramic(Gen.) (CK)	15	0.001700	10	0.255000	5.720
10.1	Capacitor-Aluminum Dry (CE)	11	0.001300	10	0.143000	3.208
6.1	Diode-Gen. Purpose Analog	1	0.003600	8	0.028800	0.646
6.1	Diode-Switching	13	0.000940	8	0.097760	2.193
6.1	Diode-Fast Recovery Power Rectifier	1	0.023000	8	0.184000	4.127
6.1	Diode-Power Rectifier / Schottky Power	4	0.002800	8	0.089600	2.010
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	5	0.003300	8	0.132000	2.961
6.1	Diode-Transient Suppressor/Varistor	3	0.002900	8	0.069600	1.561
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.449
6.4	Transistor-MOSFET	2	0.014000	8	0.224000	5.024
6.11	OPTO-isolator	2	0.027000	8	0.432000	9.690
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.084
5.1	Linear Microcircuits	3	0.009500	10	0.285000	6.393
11.1	Transformer Switching	1	0.000610	3	0.001830	0.041
11.2	Coil Fixed inductor or choke	3	0.000032	3	0.000288	0.006
15.1	Connector- Rectangular	2	0.050000	2	0.200000	4.486
17.1	Single Connections-Reflow solder	312	0.000069	1	0.021528	0.483
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.005
22.1	Fuses	1	0.010000	1	0.010000	0.224
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.987
Total Failure rate:					4.458206	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 224305.47 **hrs**

Approved by: Compiled by: